

Customer No.:



07278

PATENT TRADEMARK OFFICE

Docket No.: 9373/1H812US2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Zhen -Gang WANG et al.

Serial No.: 09/863,765

Confirmation No.: 9136

Filed: 05/23/2001

For: GENE RECOMBINATION AND HYBRID PROTEIN DEVELOPMENT

EXPRESS MAIL CERTIFICATE

Date 5/8/02

Label No. EU 028647885-45

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

B.W. LEE
Name (Print)

B.W. Lee
Signature

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of
Patents and Trademarks
Washington, DC 20231

Sir:

In order to comply with 37 CFR 1.97 and 1.98, attached hereto is a copy of Form PTO-1449 and copies of the documents listed thereon.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by

initialing Form PTO-1449 next to the document. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

The undersigned is also enclosing herewith a copy of a Partial Search Report issued for the PCT counterpart of the present patent application (Application No. PCT/US01/16831), in which the presently disclosed references were cited. Since a translation of the Partial Search Report is also enclosed, or the Search Report utilizes conventional codes to characterize each cited reference, it is believed that the applicants in the above-identified patent application have now met the "concise explanation" requirement of 37 C.F.R. 1.98.

This submission is filed within three months of the filing of the application.

The present Supplemental Information Disclosure Statement is being submitted in compliance with 37 CFR 1.56, but the citation of such document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an independent search and will determine the best

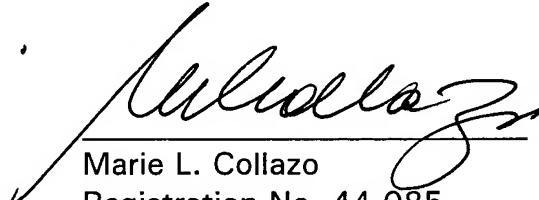
prior art consistent with 37 CFR 1.104(a) and 1.106(b) and, in the course of each search, will review for relevance every document cited on the attached form even if not initialed.

It is believed that no fee is due. However, if the Commissioner determines that a fee is due, the Commissioner is hereby authorized to charge the above deposit account for any deficiency.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,

Dated: May 7, 2002



Marie L. Collazo
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LIST OF REFERENCES CITED BY APPLICANT

(Use Several Sheets if Necessary)

DOCKET NO.: 9373/1H812US2 SERIAL NO: 09/863,765
APPLICANT: Zhen -Gang WANG et al. FILING DATE: 05/23/2001
CONFIRMATION NO: 9136

U.S. PATENT DOCUMENTS

<u>*EXAMINER</u> <u>INITIALS</u>	<u>DOCUMENT</u> <u>NUMBER</u>	<u>DATE</u>	<u>NAME</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>FILING DATE</u>
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FOREIGN PATENT DOCUMENTS

<u>*EXAMINER</u> <u>INITIALS</u>	<u>DOCUMENT</u> <u>NUMBER</u>	<u>DATE</u>	<u>COUNTRY</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>TRANSLATION</u> <u>YES</u> <u>NO</u>
	1. 01/16810	03/08/01	WIPO	G06F	17/50	
	2. 01/61344	03/23/01	WIPO	G01N	33/48	
	3. 98/41623	09/24/98	WIPO	C12N	15/10	
	4. 00/09755	02/24/00	WIPO	C12Q	1/68	
	5. 00/18906	04/06/00	WIPO	C12N	15/10	

OTHER REFERENCES**(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)**

*EXAMINER
INITIALS

6. Chang et al., "Evolution of a cytokine using DNA family shuffling," *Nature Biotechnology*, 1999, 17:793-797.
7. Crameri et al., "Construction and evolution of antibody-phage libraries by DNA shuffling," *Nature Medicine*, 1996, 2:100-102.
8. Dahiyat et al., "Protein design automation," *Protein Science*, 1996, 5:895-903.
9. Holm et al., "Parser for Protein Folding Units," *Proteins: Structure, Function, and Genetics*, 1994, 19:256-268.
10. Niggeman et al., "Exploring Local and Non-local Interactions for Protein Stability by Structural Motif Engineering," *J. Mol. Biol.*, 2000, 296:181-195.
11. Voigt et al., "Computational method to reduce the search space for directed protein evolution," *PNAS*, 2001, 98:3778-3783.
12. Voigt et al., "Computationally Focusing the Directed Evolution of Proteins," *Journal of Cellular Biochemistry Supplement*, 2001, 37:58-63.
13. Voigt et al., "Trading Accuracy for Speed: A Quantitative Comparison of Search Algorithms in Protein Sequence Design," *J. Mol. Biol.*, 2000, 299:789-803.

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*EXAMINER
INITIALS

14. Vose et al., "Schema Disruption," 1991, 237-242.

EXAMINER: _____

DATE CONSIDERED: _____

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.